

co-operating therewith, the reaction areas being connected to one another and to the reservoir in order to exchange gas, the reservoirs and the reaction areas co-operating therewith being disposed immediately adjacent to one another in immediately adjacent, parallel rows and distributed in an identical manner, each row of reservoirs co-operating with a row of reaction areas, and the immediately adjacent reservoirs and the reaction areas cooperating therewith being separated by a common wall, whereby the number of reaction chambers in the reaction vessel is maximized.

Amend claim 35 to read as follows: --

b2 35 (twice amended). Reaction vessel for producing a crystal from a substance in solution or in liquid form, comprising at least one housing part having several reaction chambers, each forming a separate gas chamber, and each reaction chamber housing a reservoir and several reaction areas co-operating therewith, the reaction areas being connected to one another and to the reservoir in order to exchange gas, the reaction chambers being in the form of prisms with a regular hexagonal base surface and being disposed in a honeycomb arrangement, adjacent ones of the reaction chambers being separated by a common wall whereby the number of reaction chambers in the reaction vessel is maximized.

Amend claim 36 to read as follows:--

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36 (amended). Reaction vessel comprising a vessel bottom part with a vessel floor and vessel walls forming several reaction chambers, each reaction chamber having a reservoir for liquid agents and at least one reaction area separated from the reservoir and having a gas connection thereto, adjacent ones of the reaction chambers being separated by a common vessel wall, whereby the number of reaction chambers in the reaction vessel is maximized; a vessel top part, which lies against the vessel walls, optionally with a sealing layer in between, covering the reaction chambers; and at least another reaction area above the reservoir.

~~Cancel claim 37.~~